1	WHA ⁻	T IS CLAIMED IS:
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3 4 5 6 7 8	1.	A method for removing selenium from an aqueous stream containing selenium comprising passing the aqueous stream in combination with a quaternary amine compound through a filter to produce an effluent which is depleted in selenium content relative to the untreated selenium-containing aqueous stream.
9 10 11	2.	The method of claim 1, wherein the aqueous stream containing selenium is an oil refinery process wastewater.
12 13 14 15	3.	The method of claim 1, wherein the aqueous stream containing selenium is an oil refinery process wastewater containing free and soluble oil.
16 17 18 19	4.	The method of claim 1, wherein the filter comprises a filter media will absorb or otherwise remove a quaternary amine compound from an aqueous solution.
20212223	5.	The method of claim 4, wherein the filter media is selected from the group consisting of clay, cellulose, starch, activated carbon and their mixtures.
24252627	6.	The method of claim 1, wherein the aqueous stream is an oil refinery stripped sour water and the primary form of the selenium is selenocyanate.
28 29 30	7.	The method of claim 1, wherein the quaternary amine compound has the general formula R ¹ R ² R ³ R ⁴ N+ X-, where R ¹ R ² R ³ R ⁴ are the same or different and are alkyl or aryl groups, and where X is an anion.

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32 8. The method of claim 7, wherein the quaternary amine compound has 33 the general formula R¹ R² R³ R⁴ N+ X-, where R¹ R² R³ R⁴ are the same

or different and are selected from the group consisting of linear or 1 2 branched paraffins having a chain length of C₃ - C₃₀, and where X is a 3 halogen. 4 9. A method for removing selenium from an aqueous stream containing 5 6 selenium comprising passing the aqueous stream through a filter 7 comprising a filter medium in combination with a quaternary amine to 8 produce an effluent which is depleted in selenium content relative to 9 the untreated selenium-containing aqueous stream. 10 11 10. The method of claim 9, wherein the aqueous stream containing 12 selenium is an oil refinery process wastewater. 13 14 11. The method of claim 9, wherein the filter medium is present as a solid 15 sorbent. 16 17 12. The method of claim 9, wherein the filter media is selected from the 18 group consisting of clay, cellulose, starch, activated carbon and their 19 mixtures. 20 21 The method of claim 9, wherein the aqueous stream is an oil refinery 13. 22 stripped sour water and the primary form of the selenium is 23 selenocyanate. 24 25 14. The method of claim 9, further comprising a prefiltering step. 26 27 The method of claim 9, wherein the effluent is passed through a filter 15. 28 medium comprising activated carbon to produce a second effluent 29 which is depleted in selenium content relative to the first effluent. 30 31 The method of claim 15, wherein the second effluent is contacted by an 16. 32 anion exchange resin to produce a third effluent which is depleted in 33 selenium content relative to the second effluent.

17. A method for removing selenium from an aqueous stream containing selenium comprising passing the aqueous stream through a filter comprising a filter medium in combination with a quaternary amine to produce a first effluent which is depleted in selenium content relative to the untreated selenium-containing aqueous stream; passing the first effluent through a filter medium comprising activated carbon to produce a second effluent which is depleted in selenium content relative to the first effluent; and contacting the second effluent by an anion exchange resin to produce a third effluent, which is depleted in selenium content relative to the second effluent.